

## TWO NEW ASIATIC PANDANACEAE

BENJAMIN C. STONE

DURING A SHORT VISIT to the Harvard University Herbarium I was enabled, through the courtesy of the directors, to study the collections of Pandanaceae. Among the specimens studied were two which represent undescribed species, one in the genus *Freycinetia*, the other in *Pandanus*. Descriptions of these follow.

*Freycinetia kostermansii* B. C. Stone, sp. nov. (Sect. FREYCINETIA), (FIG. 1).

Planta scandens, caulibus subrobustis subteretibus, plerumque 8–9 mm. crassis, internodiis 5–15 mm. longis; foliis obovato-ob lanceolatis, basi breviter contractis, apice abrupte acuminatis breviter caudatis, vulgo 10–15 cm. longis et 12–28 mm. latis, margine basim versus serrato-dentatis, dentibus ad 2 mm. longis, et apicem versus serrato-denticulatis (dentibus ad 0.5–1 mm. longis), costa media ad apicem et in acumine denticulata; syncarpiis terminalibus cylindricis usque ad 8 cm. longis et 3 cm. latis, pedicellis in angulis et distaliter scabridulis; baccis rubris, 14–16 mm. longis, circiter 4 mm. latis, lageniformibus, apice rostrato-contractis, truncatis (areola stigmatica minima 1–2 mm. lata), parte inferiore succulentibus, stigmatibus (5–)6–9, seminibus circiter 1.6–1.9 mm. longis linearibus raphide et strophiole instructis.

HOLOTYPE. Moluccas: Morotai, 1000 m. alt., May 27, 1949, A. J. G. H. Kostermans 1193 (A).

This new species is apparently related to *Freycinetia oblanceolata* Martelli, of New Guinea, and perhaps also to *F. hemsleyi* Warb., of Borneo.

*Pandanus gressittii* B. C. Stone, sp. nov. (Sect. ACROSTIGMA).

*P. Gressittii* Merr. ex G. F. Sauer, List Pl. Lingnan Univ. Campus 94. 1947, nomen nudum.

Frutex foliis circiter 30–101 cm. longis et (7–)11–14 mm. latis, margine robuste armatis dentibus antrorsis acicularibus, costa media dorsaliter armatis dentibus robustis antrorsis, apicem versus adpressibus; syncarpium solitarium, ellipsoideum, circiter 5–7 cm. longum et 3.5–5 cm. diametro; pedunculo erecto bracteato; drupis anguste obclavatis circiter 14 mm. longis et 2–3 mm. latis, apice rotundato-conicis, pileo 2–3 mm. longo; stigmatate breviter erecto-curvato, aceroso, circiter 2 mm. longo et 0.75 mm. lato, endocarpio supramediale, semen unicum.

DISTRIBUTION: endemic to Hainan Island.

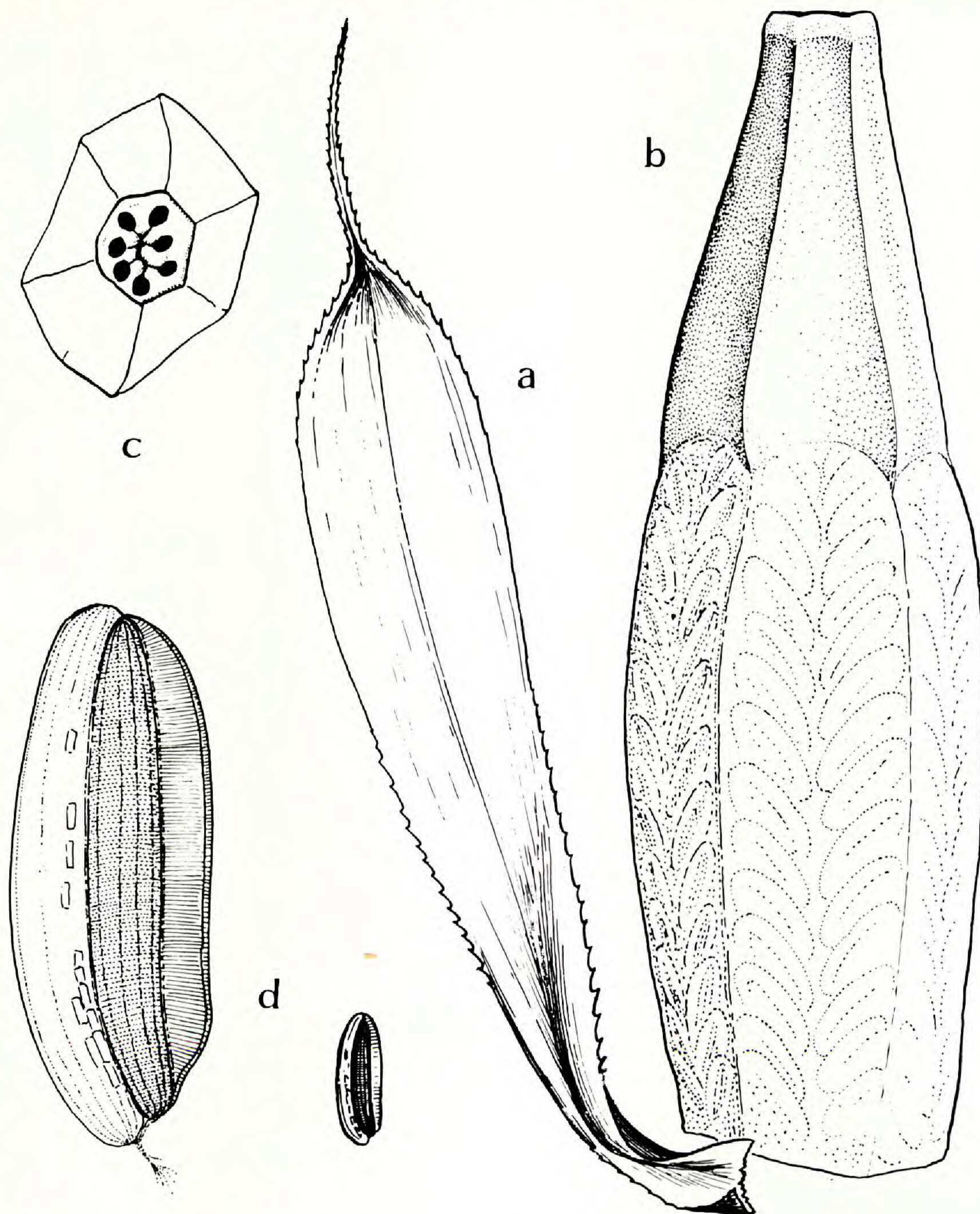


FIG. 1. *FREYCINETIA KOSTERMANSII*: a. leaf,  $\times 0.8$ ; b, c, berry, lateral and top views,  $\times 8$ ; d, seed,  $\times 8$  and  $\times 35$ . (Drawn from the holotype.)

**HOLOTYPE.** Hainan Island: small jungle stream at Liamui, 400 m. alt., June-July 1935, *J. Linsley Gressitt 1185* (A). **ADDITIONAL SPECIMENS EXAMINED.** Lokwui, near stream, 15 May 1935, *F. C. How 72350* (A); Bo-Ting, in thickets, 17 Oct. 1936, *S. K. Lau 28026* (A).

The existence of this species was first called to my attention by Dr. J. Linsley Gressitt, who collected the type specimen. The name conferred by Merrill and long carried in manuscript appears never to have been formally published. I take pleasure in bringing into use the name honoring Dr. Gressitt, now Entomologist and Head of the Entomology Depart-

ment of the Bernice P. Bishop Museum, Honolulu, whose labors in the two fields of insect taxonomy and zoogeography of the Pacific are of more than casual interest to the botanist.

The new species may be recognized by its shrubby habit; solitary syncarp set on a long or slightly nodding peduncle furnished with bracts; and the unilocular drupes with conoid pilei about 2–3 mm. long produced into a short acerose stylose stigma slightly curved or hooked in form, with the stigmatic groove uppermost. Gressitt's notes indicate that the type plant was about 1 m. tall, with a trunk 1.5 cm. in diameter; the fruits were green. The leaves, which are quite small and narrow for the genus, are evenly tapered to a sharp, elongated apex.

COLLEGE OF GUAM  
AGANA, GUAM